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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/943,578	08/31/2001	Masakazu Funahashi	OHTN:004	9438
7590	10/31/2005		EXAMINER	
Charles A. Wendel STEPTOE & JOHNSON LLP 1330 Connecticut Avenue, N.W. Washington, DC 20036			THOMPSON, CAMIE S	
			ART UNIT	PAPER NUMBER
			1774	

DATE MAILED: 10/31/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/943,578	FUNAHASHI ET AL.
	Examiner	Art Unit
	Camie S. Thompson	1774

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on Amendment filed 8/18/05.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 3-10 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 3-10 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____. |

DETAILED ACTION

1. Applicant's amendment and accompanying remarks filed August 18, 2005 have been acknowledged.
2. Examiner acknowledges cancelled claims 1-2 and 11-15.
3. Examiner acknowledges amended claims 3-8.
4. The rejection of claims 1-2 and 11-15 under 35 U.S.C. 102(b) as being anticipated by JP 04-253065 is withdrawn due to applicant's cancellation of claims 1-2 and 11-15.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

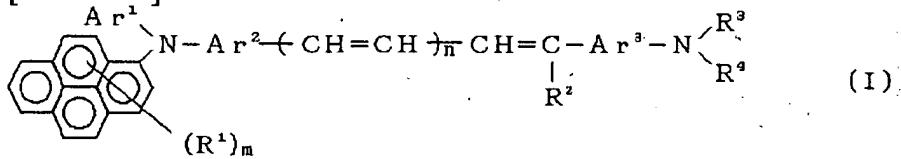
A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 3-10 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 07-249490.

The Japanese reference discloses an electroluminescent element that comprises an anode and cathode and an organic compound layer comprising two or more layers (see reference claim 1). Additionally, the reference discloses that the organic compound layer comprises a luminous layer; hole transporting bed and electron transporting bed (see paragraph 0008). Claim 3 of the reference recites that any one of the organic compound layers comprises a styryl compound of reference Formula I.

[Formula 1]



Formula I of the reference satisfies the instant claims when Ar^1 is a phenyl group substituted with a methyl group; Ar^2 and Ar^3 are both a phenyl group; n is 0; R^1 is an alkyl group such as methyl or ethyl, R^2 is hydrogen and R^3 and R^4 are both either a naphthyl group or an anthracenyl group (see paragraph 0007). When R^3 and R^4 are either naphthyl or anthracenyl groups, formula 1 of the Japanese reference satisfies the requirement for at least two of A, B, C and D in the instant invention represent $-\text{Ar}^1-\text{Ar}^2$ wherein Ar^1 represents a phenylene group and Ar^2 represents an aryl group. When R^1 represents a low-grade alkyl group or alkoxy group, formula 1 of the Japanese reference satisfies the requirement that excludes a case in which at least one of A, B, C, and D represents **pyrene**. Also, formula 1 of the reference satisfies the requirements of the instant claims when R^3 and R^4 are either naphthyl or anthracenyl groups, Ar^2 represents an aryl group and R^1 represents a low-grade alkyl group or alkoxy group so that A' and C' in the instant invention each represent a substituted or unsubstituted condensed hydrocarbon group having 2 to 5 rings. Paragraph 0028 of the reference discloses an indium-tin oxide layer between anode and the organic compound layer as per instant claims 9-10.

Response to Arguments

7. Applicant's arguments filed August 18, 2005 have been fully considered but they are not persuasive. Applicant has amended claims 3, 5 and 7 to exclude compounds in which at least one of A, B, C and D is pyrene. Also, applicant has amended claims 4, 6 and 8 to exclude compounds in which at least one of A', B', C' and D' is pyrene. Paragraph 0007 of the cited Japanese reference discloses that R¹ can be a low-grade alkyl group or alkoxy group, which would make A, A', B, B', C, C', D and D' in the instant invention a different substituent than pyrene. The instant claims exclude pyrene not a **substituted pyrene**. The rejection is maintained.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Camie S. Thompson whose telephone number is (571) 272-1530. The examiner can normally be reached on Monday through Friday from 7:30 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena L Dye, can be reached at (571) 272-3186. The fax phone number for the Group is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


RENA DYE
SUPERVISORY PATENT EXAMINER
A.U. 1774 10/27/05